

said connection from said called station to said data network, and a call notification capability for alerting a subscriber at said called station to receipt of said call from said calling station via said connection to said data network, said method comprising the steps of

receiving said call at said enhanced telephone switching system and, responsive to said called station being busy, said enhanced telephone switching system sending a message to said called station via said connection to said data network to alert said subscriber at said called station to the receipt of said call, and

said enhanced telephone switching system connecting said calling station to said called station via said connection to said data network so that a caller at said calling station may communicate with said subscriber at said called station.

15. (Amended) A method of processing a call waiting feature for a first telephone station set whose telephone line is connected to the Internet comprising the steps of

responsive to receiving at an enhanced telephone switching system of the public switched network, an initial call from said first telephone station, extending a connection from said first telephone station to said Internet,

receiving at said enhanced telephone switching system a voice call from a second telephone station directed to said first telephone station, and, responsive to said first telephone station being connected to said Internet, said enhanced telephone switching system sending a data message via said connection to said first telephone station to alert a subscriber to receipt of the voice call from said second telephone station, and

said enhanced telephone switching system bridging a connection to said second telephone station with the connection between said Internet and said first telephone station so that a caller at said second telephone station may communicate with said subscriber at said first telephone station,

wherein said enhanced telephone switching system includes a switching capability, an Internet access capability for extending said connection from said first telephone station to said Internet, and a voice call notification capability for alerting said subscriber at said first telephone station to receipt of said voice call from said second telephone station via said connection to said Internet.

26. (Amended) A method of processing a three-way calling feature for a first telephone station set whose telephone line is connected to the Internet, comprising the steps of responsive to receiving at an enhanced telephone switching system of the public switched network an initial call from said first telephone station, extending a connection from said first telephone station to said Internet,

receiving at said enhanced telephone switching system a voice call from a second telephone station directed to said first telephone station and, responsive to said first telephone station being connected to said Internet, said enhanced telephone switching system sending a data message via said connection to said first telephone station to alert a subscriber to the receipt of the voice call from said second telephone station, and

said enhanced telephone switching system bridging a connection to said second